

Amendment to the Specification:

Please delete the existing abstract and replace it with the following abstract:

ABSTRACT:

A method and device for measuring a switched current (I_H) ~~which is periodically switched on and off, and for providing a measuring signal accurately reflecting the switched current (I_H);~~ includes comprises: sensing the switched current (I_H) with an AC current transformer to obtain an intermediate measuring signal (V_{HM}); receiving a timing signal indicating the on and off periods of the switched current (I_H); during an off period, generating an auxiliary signal such that the sum of the intermediate measuring signal and the auxiliary signal is equal to zero; and during an on period, adding the intermediate measuring signal and said the auxiliary signal and providing the sum signal as the output measuring signal, the output measuring signal reflecting an actual value of the AC part and the DC part of the switched current (I_H).